

ABSTRACT

RELEVANCE ANALYSIS OF INFORMATION SYSTEM ARCHITECTURE MODEL BASED ON THE ENTERPRISE ARCHITECTURE MODEL QUALITY FRAMEWORK

(STUDY CASE: MANUFACTURING COMPANY)

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Information system strategic planning can assist companies in achieving targets because through planning it is ensured that the information system is in accordance with the organization's needs. In that case, the organization requires an Information System Architecture planning. Enterprise Architecture (EA) is present as a solution in determining strategy before implementing a system that will be used. EA can assist companies in making better decisions by integrating business processes, information systems, organizational functions, and stakeholders in a company. Based on research, there are findings that around 66% of EA projects do not meet company expectations. In an effort to overcome this problems, it is necessary to test the relevance of EA to company needs. This study focuses on testing the relevance of Information System Architecture design using the Enterprise Architecture Quality Framework (EAQF). The quality principle of relevance has derived attributes, which are EA Purpose and Objectives, EA Stakeholders Concerns, Usefulness, Completeness vs. Conciseness, and Level of Detail. Each attribute has an assessment method, whether qualitative, quantitative, or Yes / No. Relevance testing in this study will produce an Information System Architecture model in EA design that meets the quality principle of relevance in the EA quality framework.

Keywords: *Enterprise Architecture, Enterprise Architecture Quality Framework, Information System Architecture, Relevance*